

CLAIMS

1. A polymer bushing which includes a hard insulation sleeve which has a conductor draw-out bar centrally and a receiving port for a cable terminal at a lower end part thereof, and a polymer clad body which is disposed around an outer periphery of the insulation sleeve and which is formed with a large number of shades at its own outer periphery in a manner to be spaced from one another in its longitudinal direction, wherein

an electric-field stress-control layer is provided on an interface between the insulation sleeve and the polymer clad body.

2. A polymer bushing which includes a hard insulation sleeve which has a conductor draw-out bar centrally and a receiving port for a cable terminal at a lower end part thereof, and a polymer clad body which is disposed around an outer periphery of the insulation sleeve and which is formed with a large number of shades at its own outer periphery in a manner to be spaced from one another in its longitudinal direction, wherein

the receiving port is provided at a position lower than the polymer clad body, and

an electric-field stress-control layer is provided on an interface between the insulation sleeve and the polymer clad body.

3. A polymer bushing as defined in claim 1 or claim 2,

wherein a conductor insertion hole which communicates with the receiving port is provided at a lower end part of the conductor draw-out bar, and conductor insertion hole is provided at a position lower than the polymer clad body.

4. A polymer bushing which includes a hard insulation sleeve which has a conductor draw-out bar centrally and a receiving port for a cable terminal at a lower end part thereof, and a polymer clad body which is disposed around an outer periphery of the insulation sleeve and which is formed with a large number of shades at its own outer periphery in a manner to be spaced from one another in its longitudinal direction, wherein

an annular metal fitting is disposed concentrically with the conductor draw-out bar at a position lower than the insulation sleeve,

the polymer clad body is disposed at a position higher than the metal fitting,

the receiving port is provided at a position lower than the metal fitting, and

an electric-field stress-control layer is provided so as to extend from an upper end part of the metal fitting to a distal end part of the conductor draw-out bar.

5. A polymer bushing as defined in claim 4, wherein the metal fitting is constructed of an embedment metal fitting for electric-field mitigation as is embedded and fixed at the position lower than the insulation sleeve.

6. A polymer bushing as defined in any of claims 1 through 5, wherein the electric-field stress-control layer is constructed of a zinc oxide layer or a high permittivity layer.

7. A polymer bushing as defined in any of claims 1 through 6, wherein the insulation sleeve is disposed integrally with an outer periphery of the conductor draw-out bar.

8. A polymer bushing as defined in any of claims 1 through 7, wherein a bend is provided.

9. A cable termination wherein a cable terminal portion is mounted in the receiving port of the polymer bushing as defined in any of claims 1 through 8.